

Title (en)  
Safety harness with integrated ventral blocker

Title (de)  
Sicherheitsgurt mit integriertem bauchseitigem Stopper

Title (fr)  
Harnais de sécurité à bloqueur ventral intégré

Publication  
**EP 1852145 A1 20071107 (FR)**

Application  
**EP 07354024 A 20070420**

Priority  
FR 0603921 A 20060502

Abstract (en)  
The harness (10) has a belt (13) equipped with a ventral fastener loop (19), and a pair of shoulder straps (14, 15) joined by a sternal fastener loop (22) having an antifall upper fastener point. The sternal fastener loop is located above the ventral fastener loop having a lower fastener loop. A trigger or cam type ventral blocker (23) is inserted between the fastener loops to ensure a resistant connection between the straps and a leg strap formed by a pair of thigh girths (11, 12) and the belt. The belt and the thigh girths are internally folded twice with breathable cushioned foam.

Abstract (fr)  
Un harnais d'encordement pour l'assurance dans les travaux en hauteur, comprend une paire de tours de cuisse 11, 12, une ceinture 13 équipée d'un moyen d'attache ventrale 19, et une paire de bretelles 14, 15 réunies à l'avant par une boucle d'attache sternale 22 de sécurité antichute, laquelle est située au-dessus du moyen d'attache ventrale 19. Un bloqueur 23 ventral est inséré entre le moyen d'attache ventrale 19 et la boucle d'attache sternale 22 pour assurer une liaison résistante entre les bretelles 14, 15 et le cuissard formé par les tours de cuisse 11, 12 et la ceinture 13.

IPC 8 full level  
**A62B 35/00** (2006.01); **A62B 1/16** (2006.01)

CPC (source: EP US)  
**A62B 35/0018** (2013.01 - EP US); **A62B 1/16** (2013.01 - EP US)

Citation (applicant)  
MEREDITH: "Vertical Caving passage", VERTICAL CAVING LYON EQUIPMENT, 1 January 1986 (1986-01-01), pages 38 - 39

Citation (search report)  
• [A] WO 9840124 A1 19980917 - RAJNOCH IGOR [CZ]  
• [A] US 5217092 A 19930608 - POTTER STEVEN D [US]  
• [A] US 4130176 A 19781219 - PAULIE ROY W

Citation (third parties)  
Third party :  
• MARBACH G., TOURTE B.: "Alpine caving techniques, 1st EN ed.", 2000, URS WIDMER, XP003023153  
• MEREDITH M., MARTINEZ D.: "Vertical caving, 2nd ed", 1986, LYON EQUIPMENT, UK, ISBN: 0-9606874-3-X, pages: 38 - 39, XP003023154  
• BEN LYON: "Venturing underground", 1983, EP PUBLISHING LIMITED, ITALY, ISBN: 0715808257, pages: 117, XP003023155  
• HEIGHTEC GROUP: "EQUIPMENT CATALOGUE", 2001, article "Rope devices", pages: 2 PG-S, XP003023156

Cited by  
CN111921121A; CN106999743A; EP3174605A4; GB2489417A; GB2489417B; EP3375494A1; FR3063652A1; DE102022202632B3; US10799732B2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK YU

DOCDB simple family (publication)  
**EP 1852145 A1 20071107; EP 1852145 B1 20111221**; AT E537880 T1 20120115; FR 2900579 A1 20071109; FR 2900579 B1 20080627; US 2007256890 A1 20071108

DOCDB simple family (application)  
**EP 07354024 A 20070420**; AT 07354024 T 20070420; FR 0603921 A 20060502; US 79706407 A 20070430